Northern Cheyenne Indian Reservation. This new infrastructure will replace copper T-Carrier span lines currently used to trunk Digital Loop Carrier (DLC) facilities in this area. The North Ashland ESAI connects thirteen (13) premises in a twenty two (22) square mile area. When complete the new site will support broadband service speeds of 20MB downstream and 5MB upstream. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2016 calendar year.

ASHLAND EXCHANGE - MONTANA ASHLAND-LAME DEER DIVIDE FIBER TO THE NODE CONSTRUCTION (ASHD)

The Ashland-Lame Deer Divide FTTN project includes new placement of approximately .5 route miles of fiber optic infrastructure to connect a new Electronic Serving Area Interface (ESAI) on the Northern Cheyenne Indian Reservation. The new Ashland-Lame Deer Divide ESAI will connect twenty (13) premises in a twenty five (25) square mile area. When complete the new site will support broadband service speeds of 20MB downstream and 5MB upstream. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2016 calendar year.

ASHLAND EXCHANGE – MONTANA CENTRAL OFFICE AND REMOTE BROADBAND LOOP CARRIER UPGRADES (ASHLDMT)

This project includes the installation of new Broadband Loop Carrier (BLC) electronics in the Ashland, MT Central Office and subtending remote electronics sites. This project will not only support increased broadband capability within the Ashland exchange area but will also allow for the collapse of a legacy DMS-10 circuit switch into the recently placed Metaswitch packet switch in 2016. Current copper plant service delivery to the subscribers will be retained. The Ashland Central Office serves two hundred and fifty six (256) connected premises in a one thousand four hundred and twenty three (1,423) square mile area. Current broadband speeds average 3Mbps downstream and 512Kbps upstream. The new BLC electronics will support broadband speeds averaging 20Mbps downstream and 5Mbps upstream. Anticipated funding for this project will be provided under the current Rural Utilities Service (RUS) 518-V loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2016 calendar year.

LAME DEER EXCHANGE - MONTANA BIRNEY DIVIDE FIBER TO THE NODE CONSTRUCTION (BNYD)

The Birney Divide FTTN project includes new placement of approximately 4.75 route miles of fiber optic infrastructure and electronics to establish a new Electronic Serving Area Interface (ESAI) on the Northern Cheyenne Indian Reservation. The new Birney Divide ESAI will connect twenty (20) premises in a thirty one (31) square mile area. When complete the new site will support broadband service speeds of 20MB downstream and 5MB upstream. Anticipated

funding for this project will be provided under a new Rural Utilities Service (RUS) loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2016 calendar year.

LAME DEER EXCHANGE - MONTANA BURNS TRAILER COURT FIBER TO THE NODE CONSTRUCTION - BURN

The Burns Trailer Court FTTN project includes new placement of approximately .45 route miles of fiber optic infrastructure and electronics to an existing Electronic Serving Area Interface (ESAI) on the Northern Cheyenne Indian Reservation. The ESAI connects twenty five (25) premises in a thirteen (13) square mile area. When complete the ESAI will support broadband service speeds of 20MB downstream and 5MB upstream. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2016 calendar year.

BUSBY EXCHANGE - MONTANA
BUSBY WEST FIBER TO THE NODE CONSTRUCTION - BSBW

The Busby West FTTN project includes new placement of approximately 9 route miles of fiber optic infrastructure to an existing Electronic Serving Area Interface (ESAI) on the Northern Cheyenne Indian Reservation. The new Busby West ESAI will connect eight (8) premises in a thirty one (31) square mile area. When complete the ESAI will support broadband service speeds of 20MB downstream and 5MB upstream. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2016 calendar year. **2015 Update: This project was moved from 2017 to 2016 because the priority changed.**

BUSBY EXCHANGE - MONTANA
GEORGE HAMMOND FIBER TO THE NODE CONSTRUCTION - HAMM

The George Hammond FTTN project includes new placement of approximately 12 route miles of fiber optic infrastructure to an existing Electronic Serving Area Interface (ESAI) known as Busby #2 on the Northern Cheyenne Indian Reservation. New fiber access facilities will be constructed to replace a wireless radio and connect seven (7) premises in a two (2) square mile area where no broadband access currently exists. When complete the ESAI will support broadband service speeds of 20MB downstream and 5MB upstream. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2016 calendar year. **2015 Update: This project was moved from 2017 to 2016 because the priority changed.**

BIRNEY EXCHANGE - MONTANA
CENTRAL OFFICE AND REMOTE BROADBAND LOOP CARRIER UPGRADES -BIRNCO

This project includes the installation of new Broadband Loop Carrier (BLC) electronics in the Birney, MT Central Office and subtending remote electronics sites. This project will not only

support increased broadband capability within the Birney exchange area but will also allow for the collapse of a legacy DMS-10 circuit switch into the recently placed Metaswitch packet switch in 2016. Current copper plant service delivery to the subscribers will be retained. The Birney Central Office serves forty five (45) connected premises in a three hundred and thirty seven (337) square mile area. Current broadband speeds average 3Mbps downstream and 512Kbps upstream. The new BLC electronics will support broadband speeds averaging 20Mbps downstream and 5Mbps upstream. Anticipated funding for this project will be provided under the current Rural Utilities Service (RUS) 518-V loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2015 calendar year. **2015 Update: Moved to year 2016 due to priority change.**

RANGE TELEPHONE COOPERATIVE-ALL EXCHANGES TECHNICIAN SERVICE TRUCK VEHICLES

In 2016 Range plans to replace four ¾ ton gasoline engine service trucks. We currently have several high mileage service trucks and will decide on specific unit numbers for replacement as needed in the year. Due to Range Telephone Cooperative's service area being very large the mileage put on each service truck yearly is very high. To ensure the safety of employees as well as ensuring serviceable vehicles, the company must regularly replace service trucks.

Plan Year 2017

SOUTH BROADUS EXCHANGE - MONTANA AC POWER TO NORTH NORTH BOYES ACCESS CARRIER SITE (NNBS)

This project includes the construction of a new AC commercial power line to the North-North Boyes Electronic Serving Area Interface (ESAI) which is currently remote powered. The NorthNorth Boyes ESAI connects three (3) premises in a fifty (50) mile area. Expected completion of this project is within the 2017 calendar year.

BUSBY EXCHANGE - MONTANA CENTRAL OFFICE AND REMOTE BROADBAND LOOP CARRIER UPGRADES (BSBYMT)

This project includes the installation of new Broadband Loop Carrier (BLC) electronics in the Busby, MT Central Office and subtending remote electronics sites. This project will not only support increased broadband capability within the Busby exchange area but will also allow for the collapse of a legacy DMS-10 circuit switch into the recently placed Metaswitch packet switch in 2016. Current copper plant service delivery to the subscribers will be retained. The Busby Central Office serves one hundred and sixty two (162) connected premises in a five hundred and twenty five (525) square mile area. Current broadband speeds average 3Mbps downstream and 512Kbps upstream. The new BLC electronics will support broadband speeds averaging 20Mbps downstream and 5Mbps upstream. Anticipated funding for this project will be provided under the current Rural Utilities Service (RUS) 518-V loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2017 calendar year.

~~**BUSBY EXCHANGE - MONTANA BUSBY WEST FIBER TO THE NODE CONSTRUCTION (BSBW)**~~

~~The Busby West FTTN project includes new placement of approximately 9 route miles of fiber optic infrastructure to an existing Electronic Serving Area Interface (ESAI) on the Northern Cheyenne Indian Reservation. The new Busby West ESAI will connect eight (8) premises in a thirty one (31) square mile area. When complete the ESAI will support broadband service speeds of 20MB downstream and 5MB upstream. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2016 calendar year.~~ **2015 Update: This project was moved from 2017 to 2016 because the priority changed.**

~~**BUSBY EXCHANGE - MONTANA GEORGE HAMMOND FIBER TO THE NODE CONSTRUCTION (HAMM)**~~

~~The George Hammond FTTN project includes new placement of approximately 12 route miles of fiber optic infrastructure to an existing Electronic Serving Area Interface (ESAI) known as Busby #2 on the Northern Cheyenne Indian Reservation. New fiber access facilities will be constructed to replace a wireless radio and connect seven (7) premises in a two (2) square mile area where no broadband access currently exists. When complete the ESAI will support broadband service speeds of 20MB downstream and 5MB upstream. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) loan design. Both the engineering and the construction of this project will be assigned to contract service providers.~~ **2015 Update: This project was moved from 2017 to 2016 because the priority changed.**

SOUTH MILES CITY EXCHANGE - MONTANA TONGUE RIVER ROAD FIBER TO THE NODE CONSTRUCTION (TRVR)

The Tongue River Road FTTN project includes new placement of approximately 10 route miles of fiber optic infrastructure and electronics to establish a new Electronic Serving Area Interface (ESAI). The new Tongue River Road ESAI will connect eighteen (18) premises in a thirty five (35) square mile area. When complete the new site will support broadband service speeds of 20MB downstream and 5MB upstream. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2017calendar year.

~~**ROSEBUD EXCHANGE - MONTANA NORTH ROSEBUD FIBER TO THE PREMIES CONSTRUCTION (NRSBD)**~~

~~The North Rosebud FTTN project includes new placement of approximately 48 route miles of fiber optic infrastructure to an existing Electronic Serving Area Interface (ESAI). The North Rosebud ESAI connects ninety six (96) premises in a twenty (20) square mile area. When complete the ESAI will support broadband service speeds of 20MB downstream and 5MB upstream. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2017calendar year.~~ **2015 Update: This project has been removed due to priority change.**

BROADUS FIBER TO THE PREMIES CONSTRUCTION (BRDS)

The Broadus FTTP project includes new placement of approximately 31 route miles of fiber optic infrastructure. The Broadus ESAI connects four hundred sixteen (416) premises in a twenty (1.5) square mile area. When complete the ESAI will support broadband service speeds of 20MB downstream and 5MB upstream. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2017 calendar year. **2015 Update: This project was added due to a priority change.**

RANGE TELEPHONE COOPERATIVE-ALL EXCHANGES TECHNICIAN SERVICE TRUCK VEHICLES

In 2017 Range plans to replace four ¾ ton gasoline engine service trucks. We currently have several high mileage service trucks and will decide on specific unit numbers for replacement as needed in the year. Due to Range Telephone Cooperative's service area being very large the mileage put on each service truck yearly is very high. To ensure the safety of employees as well as ensuring serviceable vehicles, the company must regularly replace service trucks.

Plan Year 2018

ROSEBUD EXCHANGE - MONTANA NORTH ROSEBUD EAST FIBER TO THE NODE CONSTRUCTION (NRBDE)

The North Rosebud East FTTN project includes new placement of approximately 13 route miles of fiber optic infrastructure and electronics to a new Electronic Serving Area Interface (ESAI). The North Rosebud East ESAI connects twenty one (21) premises in a twenty four (24) square mile area. When complete the new site will support broadband service speeds of 20MB downstream and 5MB upstream. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2018 calendar year.

RANGE TELEPHONE COOPERATIVE-ALL EXCHANGES TECHNICIAN SERVICE TRUCK VEHICLES

In 2018 Range plans to replace four ¾ ton gasoline engine service trucks. We currently have several high mileage service trucks and will decide on specific unit numbers for replacement as needed in the year. Due to Range Telephone Cooperative's service area being very large the mileage put on each service truck yearly is very high. To ensure the safety of employees as well as ensuring serviceable vehicles, the company must regularly replace service trucks.

Plan Year 2019

DECKER EXCHANGE - WYOMING DECKER TO YOUNGS CREEK FIBER TO THE NODE CONSTRUCTION (YNCK)

The Youngs Creek FTTN Project includes new placement of approximately 4 route miles of fiber optic infrastructure and new Broadband Loop Carrier (BLC) electronics. This new infrastructure

will replace copper T-Carrier span lines currently used to trunk Broadband Loop Carrier (BLC) facilities in this area. The FTTN node will support broadband speeds averaging 20Mbps downstream and 5Mbps upstream. Direct buried cable placement method is planned for this project. The Youngs Creek Electronic Serving Area Interface (ESAI) will connect four (4) premises in a twenty two (22) square mile area. Anticipated funding for this project will be provided under a new Rural Utilities Service loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2019 calendar year.

~~**HYSHAM EXCHANGE - MONTANA HYSHAM WEST AND EAST FIBER TO THE PREMISE CONSTRUCTION - HYWE**~~

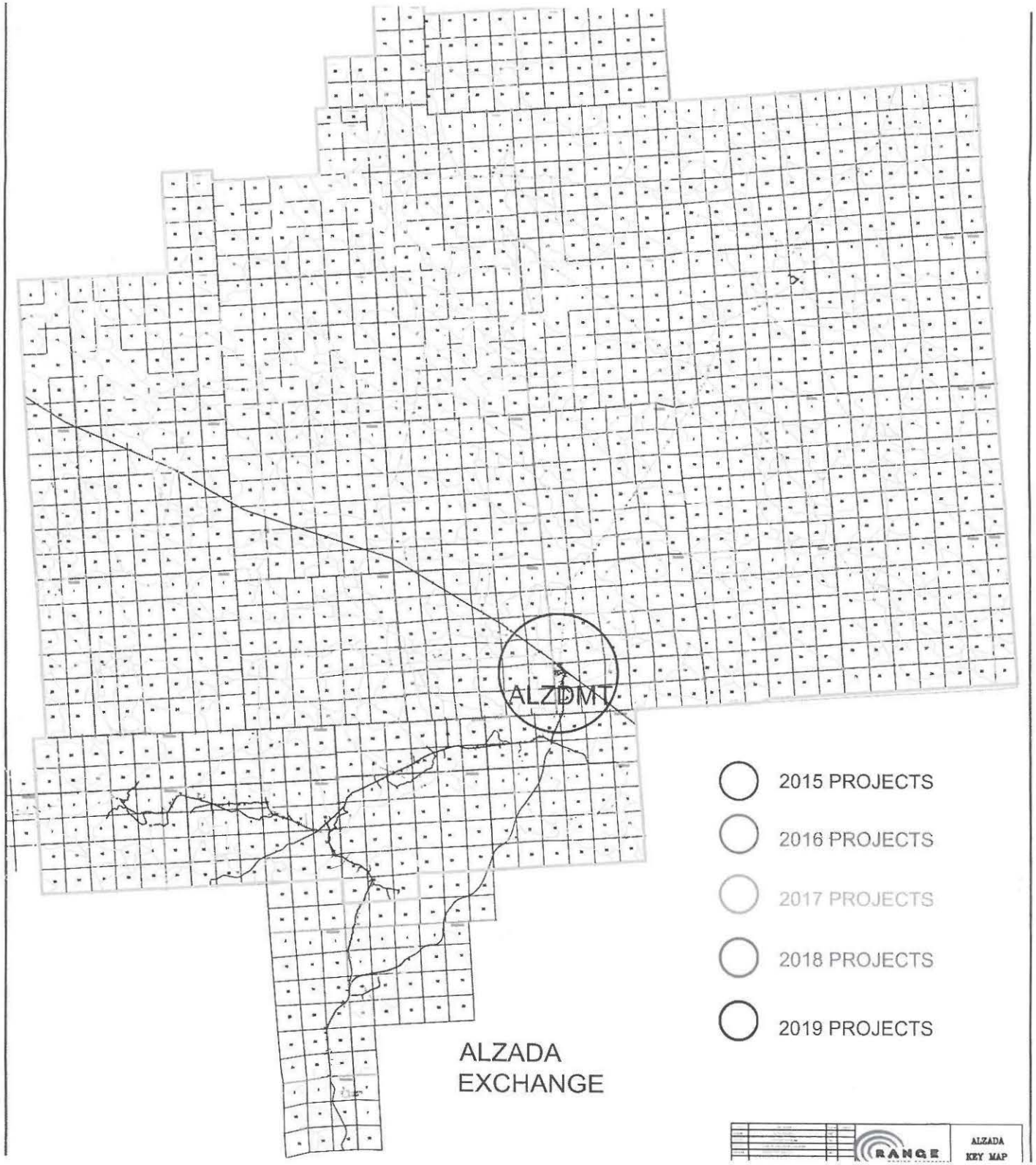
~~This project includes the new placement of approximately 58 route miles of FTTP access infrastructure and new Broadband Loop Carrier (BLC) electronics. Current broadband speeds average 3Mbps downstream and 512Kbps upstream. The new FTTP access infrastructure will support broadband speeds averaging 20Mbps downstream and 5Mbps upstream. Direct buried cable placement method is planned for this project. The Hysham West and East ESAI's connect one hundred and sixteen (116) premises in a thirty four (34) square mile area. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) 518-V loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2019 calendar year.~~ **2015 Update: This project was eliminated due to priority change.**

~~**SOUTH MILES CITY EXCHANGE - MONTANA A HUT TO T HUT FIBER TO THE PREMISE CONSTRUCTION - AHUT**~~

~~This project includes the new placement of approximately 9.5 route miles of FTTP access infrastructure and new Broadband Loop Carrier (BLC) electronics. Current broadband speeds average 3Mbps downstream and 512Kbps upstream. The new FTTP access infrastructure will support broadband speeds averaging 20Mbps downstream and 5Mbps upstream. Direct buried cable placement method is planned for this project. The A-Hut and T-Hut ESAI's connect nineteen (19) premises in a twenty (20) square mile area. Anticipated funding for this project will be provided under a new Rural Utilities Service (RUS) 518-V loan design. Both the engineering and the construction of this project will be assigned to contract service providers. Expected completion of this project is within the 2019 calendar year.~~ **2015 Update: This project was eliminated due to priority change.**

RANGE TELEPHONE COOPERATIVE-ALL EXCHANGES TECHNICIAN SERVICE TRUCK VEHICLES

In 2019 Range plans to replace four ¾ ton gasoline engine service trucks. We currently have several high mileage service trucks and will decide on specific unit numbers for replacement as needed in the year. Due to Range Telephone Cooperative's service area being very large the mileage put on each service truck yearly is very high. To ensure the safety of employees as well as ensuring serviceable vehicles, the company must regularly replace service trucks.


ALZDMT
2015 PROJECTS
2016 PROJECTS
2017 PROJECTS
2018 PROJECTS
2019 PROJECTS
ALZADA
EXCHANGE
RANGE
ALZADA
KEY MAP


2015 PROJECTS
2016 PROJECTS
2017 PROJECTS
2018 PROJECTS
2019 PROJECTS
S. MILES CITY
EXCHANGE
TRVR


2015 PROJECTS
2016 PROJECTS
2017 PROJECTS
2018 PROJECTS
2019 PROJECTS
NNBS
SOUTH BROADUS
EXCHANGE
RANGE
SO. BROADUS
EXCHANGE
KEY MAP